

Table of Contents

| | | | | | |
|--------------------------------|------------------|---------------------------------|-------------------|--------------------------------|-------------------|
| Growth | Chapter 1 | Forefoot Adductus | 114 | Hand Injuries | 246 |
| Normal Growth | 1 | Forefoot Deformities | 116 | Wrist Deformities | 250 |
| Abnormal Growth | 12 | Vertical Talus | 119 | Chronic Arthritis in Children | 251 |
| Abnormal Morphogenesis | 12 | Clubfoot | 120 | Hand Deformities | 252 |
| Chromosomal Abnormalities | 13 | Toe Walking | 131 | Thumb Deformities | 253 |
| Polygenic Inheritance | 13 | Flatfeet | 132 | Finger Deformities | 254 |
| Mechanism of Inheritance | 14 | Cavus Deformity | 138 | | |
| Skeletal Dysplasia | 14 | Other Foot Conditions | 140 | Trauma | Chapter 11 |
| Developmental Deformities | 16 | | | Statistics | 257 |
| Osteochondroses | 16 | Knee and Tibia | Chapter 6 | Physiology | 258 |
| Features of Immature Skeleton | 18 | Evaluation | 144 | Physcal Injuries | 260 |
| Iatrogenic Deformities | 19 | Knee Pain | 146 | Remodeling | 263 |
| | | Patellofemoral Disorders | 150 | Principles of Reduction | 264 |
| | | Dislocations | 150 | Fixation | 266 |
| Evaluation | Chapter 2 | Intraarticular Disorders | 152 | Evaluation | 268 |
| Physical Examination | 24 | Tumors of the Knee | 153 | Occult Injuries | 270 |
| Clinical Tests | 28 | Sagittal Deformities | 154 | Birth and Neonatal Injuries | 272 |
| Imaging | 30 | Neuromuscular Disorders | 155 | Child Abuse | 272 |
| Gait Evaluation | 34 | Tibial Bowing | 156 | Polytrauma | 273 |
| Laboratory Studies | 35 | Pseudarthrosis of the Tibia | 157 | Pathologic Fractures | 274 |
| Diagnostic Procedures | 36 | Fibular Pseudarthrosis | 157 | Open Fractures | 275 |
| Time Line | 37 | | | Complications | 276 |
| Joint Swelling | 38 | Hip | Chapter 7 | Foot Injuries | 278 |
| Limb Deficiencies | 40 | General | 159 | Ankle Injuries | 280 |
| | | Evaluation | 161 | Tibial Fractures | 284 |
| Management | Chapter 3 | Hip and Pelvic Pain | 164 | Knee Injuries | 286 |
| Managing the Family | 43 | Developmental Hip Dysplasia | 166 | Knee Fractures | 288 |
| Shoes | 47 | Legg-Calvé-Perthes Disease | 182 | Femur Shaft Fractures | 290 |
| Before Surgery | 48 | Slipped Femoral Epiphysis | 188 | Hip Dislocation | 295 |
| Anesthesia | 50 | Miscellaneous Disorders | 193 | Fractures of Proximal Femur | 296 |
| Surgical Preparation | 52 | | | Pelvic Fractures | 298 |
| Operative Scars | 53 | Spine | Chapter 8 | Spine Injuries | 300 |
| Skin Closure | 53 | Normal Development | 197 | Shoulder Injuries | 302 |
| Fixation | 54 | Evaluation | 199 | Supracondylar Fractures | 306 |
| Grafts | 55 | Congenital Deformities | 201 | Medical Epicondylar Fractures | 309 |
| Postoperative Care | 56 | Back Pain | 202 | Elbow Dislocations | 309 |
| Complications | 58 | Scoliosis | 210 | Lateral Condylar Fractures | 310 |
| Foreign Body Removal | 62 | Congenital Sciolisis | 212 | Radial Neck Fractures | 312 |
| Hardware Removal | 63 | Thoracic Insufficiency Syndrome | 213 | Olecranon Fractures | 314 |
| Amplified Musculoskeletal Pain | 64 | Idiopathic Scolosis | 214 | Monteggia Fracture Dislocation | 314 |
| Traction | 65 | Sagittal Deformity | 220 | Forearm Fractures | 315 |
| Casting | 68 | Cervical spine | 222 | Distal Radius Fractures | 319 |
| Spica Cast Application | 70 | Generalized Disorders | 224 | | |
| Joint Aspiration | 71 | | | Sports | Chapter 12 |
| Orthotics | 72 | Upper Limb | Chapter 9 | Introduction | 323 |
| Prosthetics | 73 | Development | 227 | Physiology | 324 |
| Therapy | 74 | Evaluation | 228 | Injury Statistics | 325 |
| | | Upper Limb Deficiencies | 230 | Prevention | 326 |
| Lower Limb | Chapter 4 | Torticollis | 232 | Special Children | 327 |
| Development | 77 | Sprengel Deformity | 235 | Injury Types | 328 |
| Limp | 78 | Brachial Plexus Palsy | 236 | Overuse Injuries | 330 |
| Leg Aches | 80 | Shoulder Disorders | 237 | Evaluation | 332 |
| Genu Varus and Genu Valgus | 81 | Elbow Disorders | 238 | Management Principles | 334 |
| Torsion | 88 | Forearm Deformitis | 239 | Sport-Specific Problems | 336 |
| Leg Length Inequality | 96 | | | Foot and Ankle Problems | 339 |
| Lower Limb Deficiencies | 101 | Hand | Chapter 10 | Tibia Problems | 340 |
| | | Development | 241 | Knee Problems | 341 |
| Foot | Chapter 5 | Evaluation | 241 | Hip and Thigh Problems | 341 |
| Introduction | 105 | Management Principles | 242 | Pelvis Problems | 342 |
| Evaluation | 106 | Hand Tumors | 244 | Spine Problems | 342 |
| Foot Pain | 108 | Hand Infections | 245 | Neck Problems | 342 |
| Toe Deformities | 112 | | | Upper Limb Problems | 343 |

| | |
|--------------------------------|-------------------|
| Infection | Chapter 13 |
| Pathogenesis | 345 |
| Organisms | 347 |
| Evaluation | 348 |
| Management Principles | 350 |
| Drainage of Septic Joint | 352 |
| Drainage of Osteomyelitis | 353 |
| Osteomyelitis | 354 |
| Septic Arthritis | 358 |
| Pelvic Infections | 360 |
| Unusual Forms of Osteomyelitis | 360 |
| Soft Tissue Infections | 361 |
| Tuberculosis | 362 |
| Meningococcal Infections | 363 |

| | |
|-------------------------------|-------------------|
| Tumors | Chapter 14 |
| Evaluation | 365 |
| Unicameral Bone Cysts | 370 |
| Operative Management of Cysts | 371 |
| Aneurysmal Bone Cysts | 372 |
| Fibrous Tumors | 373 |
| Benign Cartilaginous Tumors | 374 |
| Hemimelica | 375 |
| Osseous Tumors | 376 |
| Other Bone Tumors | 377 |
| Benign Soft Tissue Tumors | 378 |
| Malignant Soft Tissue Tumors | 379 |
| Osteosarcoma | 380 |
| Ewing sarcoma | 381 |
| Leukemia | 383 |
| Metastatic Bone Tumors | 383 |

| | |
|------------------------------|-------------------|
| Neuromuscular | Chapter 15 |
| Development – Nervous System | 385 |
| Statistics | 386 |
| Evaluation | 387 |
| Management Principles | 390 |
| Cerebral Palsy | 392 |
| Myelodysplasia | 404 |
| Muscular dystrophy | 408 |
| Poliomyelitis | 410 |
| Arthrogryposis | 410 |
| Miscellaneous Disorders | 414 |

| | |
|--------------------------------|-------------------|
| Syndromes | Chapter 16 |
| Introduction | 418 |
| Evaluation | 420 |
| Conditions in Alphabetic Order | 422 |

| | |
|--------------------------|-------------------|
| Reference | Chapter 17 |
| Parents FAQ | 437 |
| What Parents Should Know | 438 |
| Reference Charts | 442 |
| Remodeling Examples | 444 |
| Index | 423 |

| | |
|----------------------|-----------|
| Growth | 1 |
| Evaluation | 2 |
| Management | 3 |
| Lower Limb | 4 |
| Foot | 5 |
| Knee | 6 |
| Hip | 7 |
| Spine | 8 |
| Upper Limb | 9 |
| Hand | 10 |
| Trauma | 11 |
| Sports | 12 |
| Infections | 13 |
| Tumors | 14 |
| Neuromuscular | 15 |
| Syndromes | 16 |
| Reference | 17 |
| Index | 18 |